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To: Examiner Gonzalez

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Facsimile No: 703-746-4165

Telephone No: 703-305-1563

From: Frank Duke

Date: February 28, 2003 Approx. Time: _____

File No: FMC1263PUS Pages (w/cover): 8

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Message: Serial No. 09/663,515

Per our conversation, attached is the Response After Final Amendment that was originally faxed to the Patent Office on January 29, 2003.

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RESPONSE AFTER FINAL

Serial No.: 09/663,515

Atty. Docket No.: FMC 1263 PUS / 200-0029

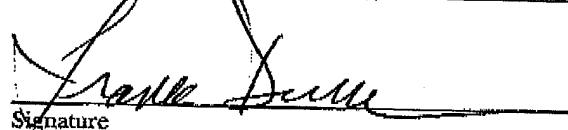
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Response Under 37 C.F.R. § 1.116 -
Expedited Procedure - Examining Group 2834

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

DALE SCOTT CROMBEZ ET AL

Serial No.: 09/663,515

Group Art Unit: 2834

Examiner: JULIO C. GONZALEZ

Filed: SEPTEMBER 15, 2000

For: METHOD AND APPARATUS FOR REDUCING ENGINE CYCLING IN
HYBRID ELECTRIC VEHICLE

Attorney Docket No.: FMC 1263 PUS / 200-0029

AMENDMENT UNDER 37 C.F.R. § 1.116

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United States Patent and Trademark Office
Washington, D.C. 20231

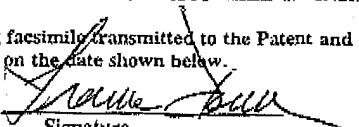
Sir:

In response to the final Office Action mailed December 4, 2002, please amend the above-identified application as follows:

In The Claims:

Please cancel Claims 1, 3, 4, 10-15 without prejudice

Please replace claims 5-9 as shown below. A marked-up version of the amended claims is attached to this Amendment.

CERTIFICATE OF FACSIMILE TRANSMISSION		
<p>I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office, Examiner Julio C. Gonzalez, Group 2834, (703) 308-7722, on the date shown below.</p>		
<p>A. Frank Duke</p> <p>Name of Person Signing Certification</p>	 <p>Signature</p>	<p>January 29, 2003</p> <p>Date</p>

5. (Amended) The method of Claim 9 wherein said auxiliary system is a brake booster vacuum system.

6. (Amended) The method of Claim 9 wherein said auxiliary system is an air conditioning and heating system.

7. (Amended) The method of Claim 9 wherein said auxiliary system is a purge vapor system.

8. (Amended) The method of Claim 9 wherein said auxiliary system is a catalyst system.

9. (Amended) A method of reducing the number of times a main power unit of a hybrid electric vehicle is activated to support a plurality of auxiliary system of the vehicle during a given drive cycle comprising a sequence of the following steps:

determining the ON/OFF status of said unit;

if the unit is ON requesting that the unit be maintained ON until the value of an auxiliary system parameter exceeds a first threshold value wherein said first threshold value is a unit ON auxiliary system threshold value;

if the unit is OFF requesting that the unit be turned ON when the value of said parameter falls below a second threshold value wherein said second threshold value is a unit OFF auxiliary system threshold value;

setting said unit OFF auxiliary system threshold value when the status of said unit is OFF;

setting said unit ON auxiliary system threshold value when the status of said unit is ON; and

wherein said step of requesting that a unit ON status be maintained is performed if a predetermined parameter in any of said plurality of auxiliary systems is below respective unit ON auxiliary system threshold values, and said step of requesting a unit ON status is performed if a predetermined parameter in any of said plurality of auxiliary systems is below respective unit OFF auxiliary system threshold value.